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ABSTRACT OF THE DISCLOSURE

5 In an imaging section, an image of an object
is converted to signal charge by photodiodes arranged in
the form of a matrix, the signal charge is transferred
to output circuits by vertical transfer paths, and then
the signal charge transferred to the output circuits is
converted to signal voltage by the output circuits. The
signal voltage is output from the output circuits to a
signal conversion section as signals. The signal
conversion section performs a processing for the signals
in parallel, and outputs the processed signals to a
display section. In the display section, signals are
converted to voltage by input circuits, and the voltage
is respectively applied to drain buses. A vertical
driving circuit scans gate buses, and supplies gate
driving pulses. Field effect transistors supplied with
the gate driving pulses store charge in response to the
voltage applied to liquid crystal devices, thus
displaying an image.